



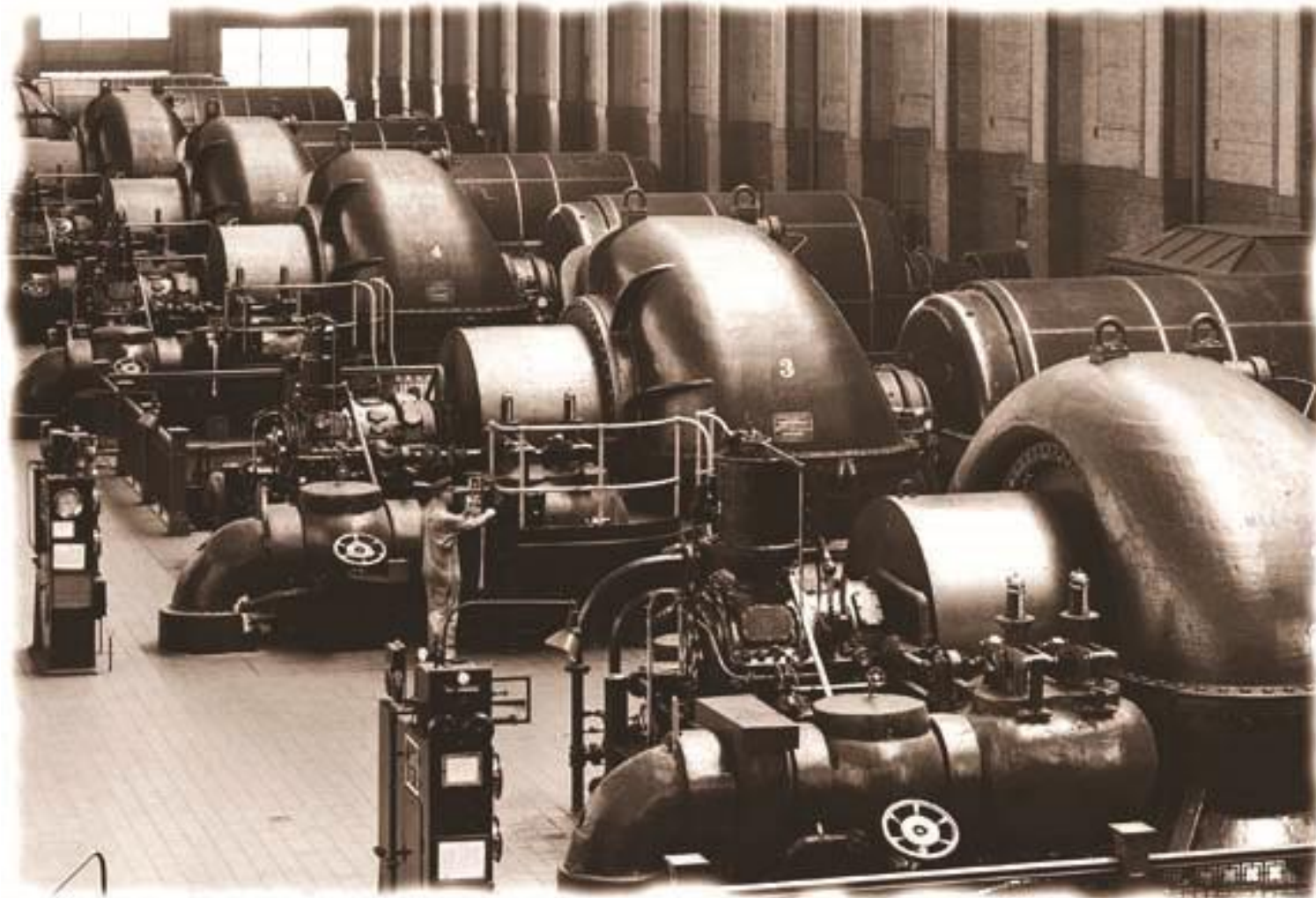
1. What is Cloud Computing?





Look forward by looking back...

- 100 years ago every electricity consumer built & maintained their own power station. **(Really!)**



Challenges...

1



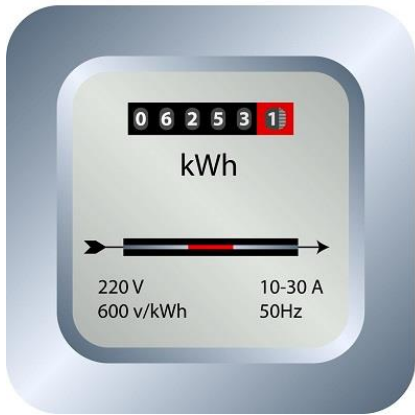
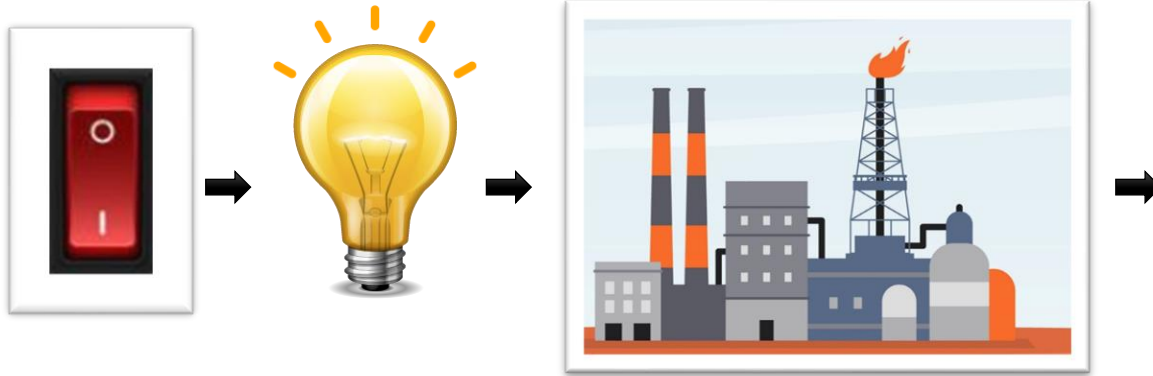
Initial Cost

2

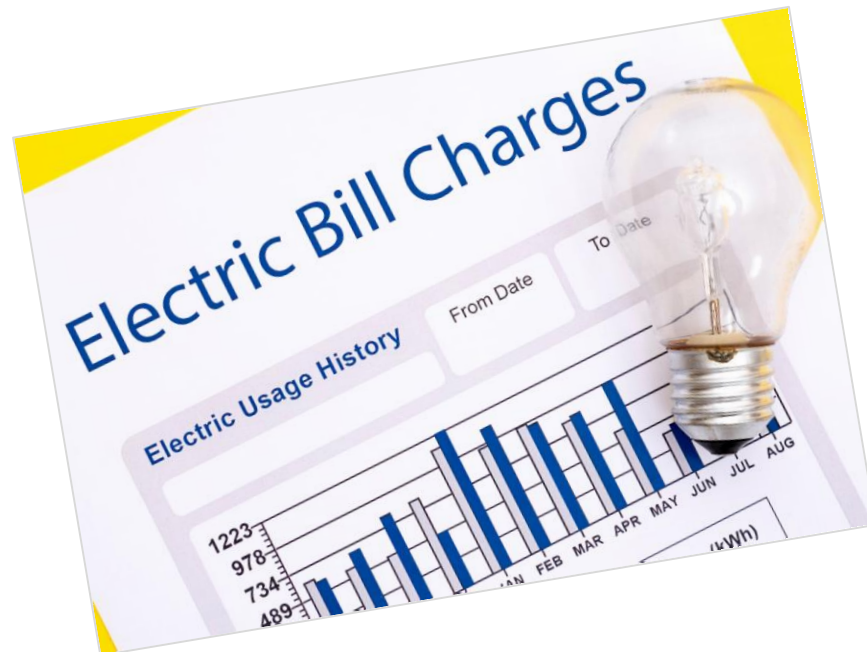


Ongoing Maintenance

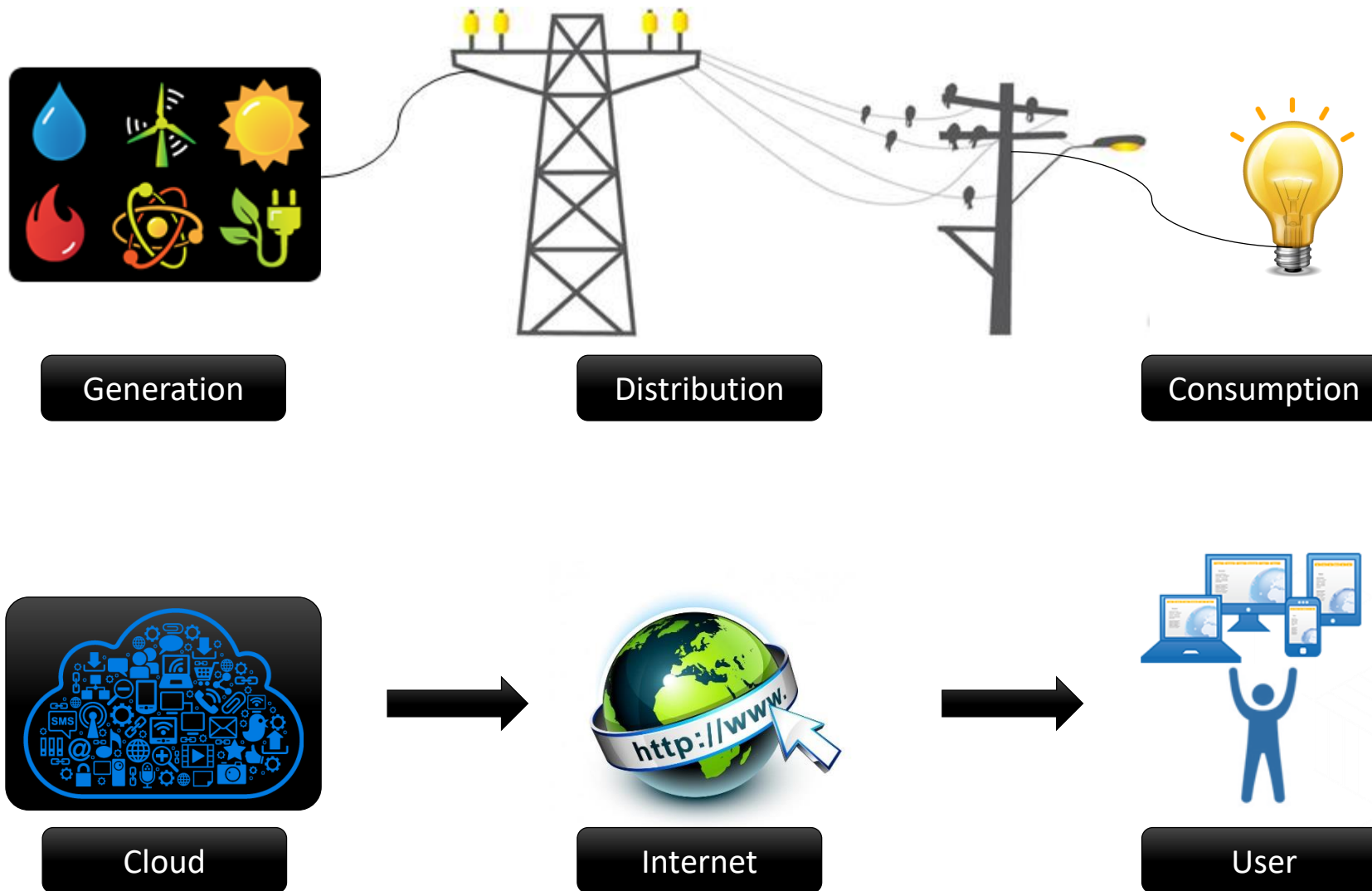
Now we just press a button



Pay as you use



Let's Compare



Formal Definition of Cloud Computing

- Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.
- Instead of buying, owning, and maintaining physical data centers and servers, you can access technology services, such as computing power, storage, and databases, on an as-needed basis from a cloud provider.



What cloud is made up of?



What is AWS?

- Cloud Platform
- Publicly Available from 2006
- Global Presence
- 200 + Services
- Utility Pricing
- Free Tier to get started



Why companies are using AWS?

- Six Advantages of AWS



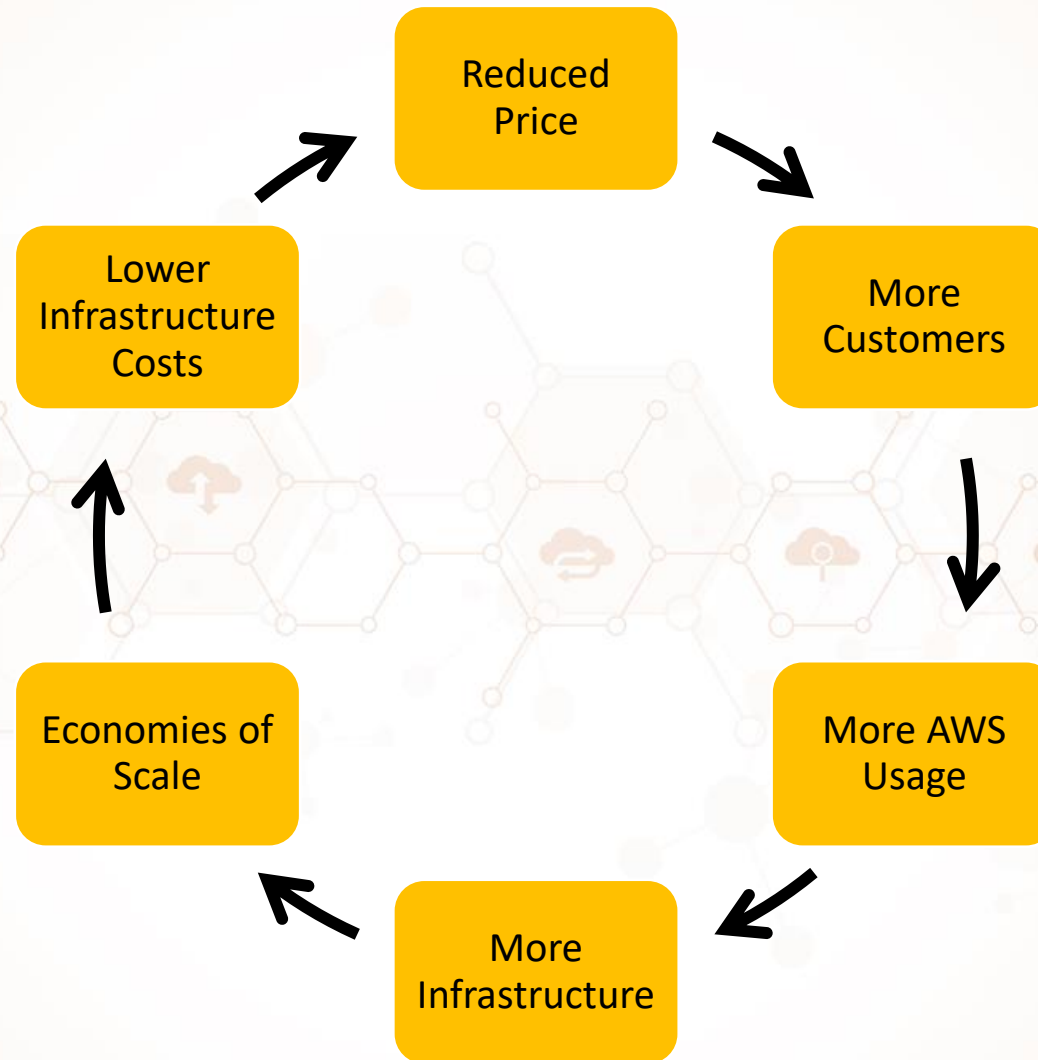
Trade capital expense for variable expense



Benefit from massive economies of scale

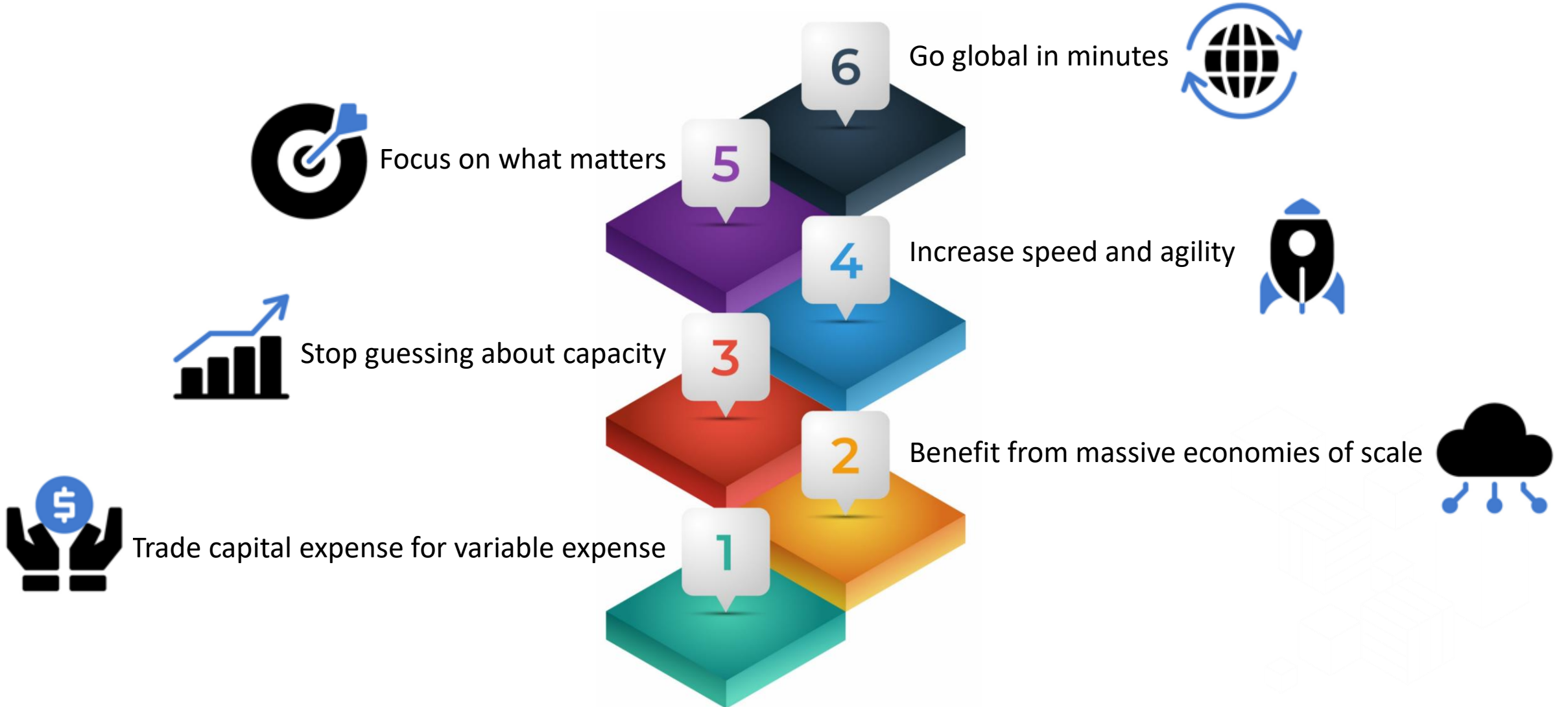


Benefit from massive economies of scale



Why companies are using Cloud Computing?

- Six Advantages of Cloud Computing



AWS Services Stack



Platform
Services

Databases

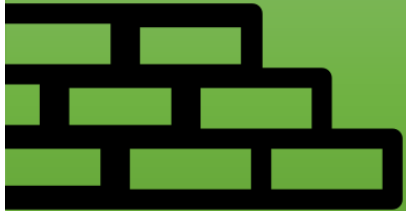
Analytics

App Services

Deployment

Mgmt.

Many More...



Foundation
Services

Compute

Networking

Storage



Global
Infrastructure

Regions

Availability
Zones

Edge
Locations



Cloud Computing

What?

- On-demand delivery of IT resources over the Internet with pay-as-you-go pricing.

Why?

- Instead of buying, owning, and maintaining physical data centers and servers, you can access technology services, on an as-needed basis from a cloud provider.

When?

- Common use cases are data backup, disaster recovery, email, virtual desktops, software development and testing, big data analytics, and customer-facing web applications.

Where?

- Cloud providers offer their services over a global infrastructure.

Who?

- Organizations of every type, size, and industry are using the cloud for a wide variety of use cases

How?

- Through virtualization and automation

How much?

- Pay-as-you-go pricing.

A hand with a light skin tone is shown from the wrist up, pointing its index finger towards a cloud-shaped graphic. The cloud is white with a thick white outline and contains a smaller, realistic image of a white cloud. The background is a clear blue sky with a dense city skyline visible at the bottom. The city features numerous skyscrapers and buildings in various shades of blue and grey.

Thank You